

CLAIMS

What is claimed is:

1. A vibration isolator mount, comprising:
a bracket member including a base portion having a pair of side
5 wing portions extending from a pair of bends in said base portion and at least one
pair of end wing portions extending from opposite ends of at least one of said base
portion and said pair of side wing portions;
a core element including a body portion disposed between said pair
of side wing portions and a mounting portion attached to said body portion; and
10 an elastomeric spring member disposed between said body portion
of said core element and said pair of side wing portions of said bracket member,
said at least one pair of end wing portions being bent toward said elastomeric
spring member so as to oppose opposite ends of said spring member.
2. The vibration isolator mount according to claim 1, wherein said at
15 least one pair of end wing portions extend from opposite ends of said base portion
of said bracket member.
3. The vibration isolator mount according to claim 1, wherein said at
least one pair of end wing portions extend from opposite ends of one of said pair
of side wing portions of said bracket member.
- 20 4. The vibration isolator mount according to claim 1, wherein said at
least one pair of end wing portions includes two pairs of end wing portions with
said two pairs of end wing portions extending from opposite ends of each of said
pair of side wing portions of said bracket member.
5. The vibration isolator according to claim 1, wherein said at least
25 one pair of end wing portions include a first end wing portion extending from an
end of one of said pair of side wing portions of said bracket member and a second
end wing portion extending from a second of said pair of side wing portions.
6. The vibration isolator according to claim 1, further comprising a
travel restrictor pin extending between said at least one pair of end wing portions
30 and through an opening in said body portion of said core element.
7. The vibration isolator according to claim 1, further comprising a
travel restrictor member extending between said at least one pair of end wing

portions and positioned to restrict travel of said core member relative to said base portion of said bracket member.

8. The vibration isolator according to claim 7, wherein said travel restrictor member includes a restrictor pin extending through an opening in said
5 body portion of said core element.

9. The vibration isolator according to claim 8, wherein said travel restrictor pin extends through apertures in said at least one pair of end wing portions.

10. The vibration isolator according to claim 1, wherein said bracket
10 member is formed from a stamped unitary metal plate.

11. The vibration isolator according to claim 1, wherein said bracket member includes at least one mounting aperture adapted for mounting said bracket member to a support structure.

12. The vibration isolator according to claim 1, wherein said mounting
15 portion of said core element includes an aperture adapted for mounting said bracket member to a support structure.

13. The vibration isolator according to claim 1, wherein said pair of bends in said base portion of said bracket member each include strengthening ribs formed therein.

20 14. A vibration isolator mount, comprising:
a bracket member including a main body section having a pair of side wing portions opposing one another and at least one pair of end wing portions extending from opposite ends of said main body section;

25 a core element including a body portion disposed between said pair of side wing portions and a mounting portion attached to said body portion;

an elastomeric spring member disposed between said body portion of said core element and said pair of side wing portions of said bracket member, said at least one pair of end wing portions being bent toward said elastomeric spring member so as to oppose opposite ends of said spring member.

30 15. The vibration isolator mount according to claim 14, wherein said at least one pair of end wing portions extend from opposite ends of said base portion of said bracket member.

16. The vibration isolator mount according to claim 14, wherein said at least one pair of end wing portions extend from opposite ends of one of said pair of side wing portions of said bracket member.

17. The vibration isolator mount according to claim 14, further
5 comprising a travel restrictor member extending between said at least one pair of end wing portions and positioned to restrict travel of said core member relative to said base portion of said bracket member

18. The vibration isolator according to claim 17, wherein said travel restrictor member includes a restrictor pin extending through an opening in said
10 body portion of said core element.

19. The vibration isolator according to claim 18, wherein said travel restrictor pin extends through apertures in said at least one pair of end wing portions.

20. The vibration isolator according to claim 14, wherein said bracket
15 member is formed from a stamped unitary metal plate.